

SEQUENCE LISTING

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FUKUSUMI, Shoji
MARUYAMA, Minoru

<120> Novel Screening Method

<130> 3136 USOP

<140> US 10/542408

<141> 2005-07-15

<150> PCT/JP2004/000248

<151> 2004-01-15

<150> JP 2003-010001

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<160> 22

<210> 1

<211> 361

<212> PRT

<213> Homo sapiens

<400> 1

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			20					25					30		
Gly	Asp	His	Arg	Leu	Val	Leu	Ala	Ala	Val	Glu	Thr	Thr	Val	Leu	Val
		35					40					45			
Leu	Ile	Phe	Ala	Val	Ser	Leu	Leu	Gly	Asn	Val	Cys	Ala	Leu	Val	Leu
	50					55					60				
Val	Ala	Arg	Arg	Arg	Arg	Arg	Gly	Ala	Thr	Ala	Cys	Leu	Val	Leu	Asn
	65				70					75					80
Leu	Phe	Cys	Ala	Asp	Leu	Leu	Phe	Ile	Ser	Ala	Ile	Pro	Leu	Val	Leu
				85					90					95	
Ala	Val	Arg	Trp	Thr	Glu	Ala	Trp	Leu	Leu	Gly	Pro	Val	Ala	Cys	His
			100					105					110		
Leu	Leu	Phe	Tyr	Val	Met	Thr	Leu	Ser	Gly	Ser	Val	Thr	Ile	Leu	Thr
		115					120					125			
Leu	Ala	Ala	Val	Ser	Leu	Glu	Arg	Met	Val	Cys	Ile	Val	His	Leu	Gln
	130					135				140					
Arg	Gly	Val	Arg	Gly	Pro	Gly	Arg	Arg	Ala	Arg	Ala	Val	Leu	Leu	Ala

145					150					155				160
Leu	Ile	Trp	Gly	Tyr	Ser	Ala	Val	Ala	Ala	Leu	Pro	Leu	Cys	Val
				165					170					175
Phe	Arg	Val	Val	Pro	Gln	Arg	Leu	Pro	Gly	Ala	Asp	Gln	Glu	Ile
				180					185				190	
Ile	Cys	Thr	Leu	Ile	Trp	Pro	Thr	Ile	Pro	Gly	Glu	Ile	Ser	Trp
		195					200					205		
Val	Ser	Phe	Val	Thr	Leu	Asn	Phe	Leu	Val	Pro	Gly	Leu	Val	Ile
	210					215					220			
Ile	Ser	Tyr	Ser	Lys	Ile	Leu	Gln	Ile	Thr	Lys	Ala	Ser	Arg	Lys
225					230					235				240
Leu	Thr	Val	Ser	Leu	Ala	Tyr	Ser	Glu	Ser	His	Gln	Ile	Arg	Val
				245					250					255
Gln	Gln	Asp	Phe	Arg	Leu	Phe	Arg	Thr	Leu	Phe	Leu	Leu	Met	Val
			260					265					270	
Phe	Phe	Ile	Met	Trp	Ser	Pro	Ile	Ile	Ile	Thr	Ile	Leu	Leu	Ile
		275					280					285		
Ile	Gln	Asn	Phe	Lys	Gln	Asp	Leu	Val	Ile	Trp	Pro	Ser	Leu	Phe
	290				295						300			
Trp	Val	Val	Ala	Phe	Thr	Phe	Ala	Asn	Ser	Ala	Leu	Asn	Pro	Ile
305					310					315				320
Tyr	Asn	Met	Thr	Leu	Cys	Arg	Asn	Glu	Trp	Lys	Lys	Ile	Phe	Cys
				325					330				335	
Phe	Trp	Phe	Pro	Glu	Lys	Gly	Ala	Ile	Leu	Thr	Asp	Thr	Ser	Val
			340					345					350	
Arg	Asn	Asp	Leu	Ser	Ile	Ile	Ser	Gly						
		355					360							

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 <213> Homo sapiens

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 gcggtggaga caaccgtgct ggtgctcatc tttgcagtgt cgctgctggg caacgtgtgc 180
 gccctggtgc tgggtggcgcg ccgacgacgc cgcggcgcga ctgcctgcct ggtactcaac 240
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 attcctggag agatctcgtg ggatgtctct tttgttactt tgaacttctt ggtgccagga 660
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 tacaacatga cactgtgcag gaatgagtgg aagaaaattt tttgctgctt ctgggttccca 1020
 gaaaagggag ccattttaac agacacatct gtcaaaagaa atgacttgct gattatttct 1080
 ggc 1083

<210> 3
 <211> 361
 <212> PRT

<213> Mus musculus

<400> 3

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      20              25              30
Gly Asp His Arg Leu Val Leu Ser Val Val Glu Thr Thr Val Leu Gly
      35              40              45
Leu Ile Phe Val Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
      50              55              60
Val Ala Arg Arg Arg Arg Gly Ala Thr Ala Ser Leu Val Leu Asn
      65              70              75              80
Leu Phe Cys Ala Asp Leu Leu Phe Thr Ser Ala Ile Pro Leu Val Leu
      85              90              95
Val Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Val Cys His
      100             105             110
Leu Leu Phe Tyr Val Met Thr Met Ser Gly Ser Val Thr Ile Leu Thr
      115             120             125
Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val Arg Leu Arg
      130             135             140
Arg Gly Leu Ser Gly Pro Gly Arg Arg Thr Gln Ala Ala Leu Leu Ala
      145             150             155             160
Phe Ile Trp Gly Tyr Ser Ala Leu Ala Ala Leu Pro Leu Cys Ile Leu
      165             170             175
Phe Arg Val Val Pro Gln Arg Leu Pro Gly Gly Asp Gln Glu Ile Pro
      180             185             190
Ile Cys Thr Leu Asp Trp Pro Asn Arg Ile Gly Glu Ile Ser Trp Asp
      195             200             205
Val Phe Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val
      210             215             220
Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg
      225             230             235             240
Leu Thr Leu Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser
      245             250             255
Gln Gln Asp Tyr Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser
      260             265             270
Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu
      275             280             285
Ile Gln Asn Phe Arg Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe
      290             295             300
Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu
      305             310             315             320
Tyr Asn Met Ser Leu Phe Arg Asn Glu Trp Arg Lys Ile Phe Cys Cys
      325             330             335
Phe Phe Phe Pro Glu Lys Gly Ala Ile Phe Thr Asp Thr Ser Val Arg
      340             345             350
Arg Asn Asp Leu Ser Val Ile Ser Ser
      355             360
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<210> 4

<211> 1083

<212> DNA

<213> Mus musculus

<400> 4

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cgactcttcc gcacgctctt cctgctcatg gtttccttct tcatcatgtg gagtcccatc 840
atcatcacca tcctcctcat cttgatccaa aacttccggc aggacctggg catctggcca 900
tcccttttct tctgggtggg ggccttcacg tttgccaaact ctgccctaaa ccccatactg 960
tacaacatgt cgctgttcag gaacgaatgg aggaagattt tttgctgctt cttttttcca 1020
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agc 1083

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<210> 5
<211> 20
<212> DNA
<213> Artificial Sequence

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<220>
<223> primer

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<400> 5
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<210> 6
<211> 20
<212> DNA
<213> Artificial Sequence

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<220>
<223> primer

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<400> 6
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<210> 7
<211> 30
<212> DNA
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<220>
<223> primer

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<400> 7
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<210> 8
<211> 361
<212> PRT
<213> Rattus norvegicus

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<400> 8

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      20              25              30
Gly Asp His Arg Leu Val Leu Ser Val Leu Glu Thr Thr Val Leu Gly
      35              40              45
Leu Ile Phe Val Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
      50              55              60
Val Val Arg Arg Arg Arg Gly Ala Thr Val Ser Leu Val Leu Asn
      65              70              75              80
Leu Phe Cys Ala Asp Leu Leu Phe Thr Ser Ala Ile Pro Leu Val Leu
      85              90              95
Val Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Val Cys His
      100             105             110
Leu Leu Phe Tyr Val Met Thr Met Ser Gly Ser Val Thr Ile Leu Thr
      115             120             125
Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val Arg Leu Arg
      130             135             140
Arg Gly Leu Ser Gly Pro Gly Arg Arg Thr Gln Ala Ala Leu Leu Ala
      145             150             155             160
Phe Ile Trp Gly Tyr Ser Ala Leu Ala Ala Leu Pro Leu Cys Ile Leu
      165             170             175
Phe Arg Val Val Pro Gln Arg Leu Pro Gly Gly Asp Gln Glu Ile Pro
      180             185             190
Ile Cys Thr Leu Asp Trp Pro Asn Arg Ile Gly Glu Ile Ser Trp Asp
      195             200             205
Val Phe Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val
      210             215             220
Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg
      225             230             235             240
Leu Thr Leu Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser
      245             250             255
Gln Gln Asp Tyr Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser
      260             265             270
Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu
      275             280             285
Ile Gln Asn Phe Arg Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe
      290             295             300
Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu
      305             310             315             320
Tyr Asn Met Ser Leu Phe Arg Ser Glu Trp Arg Lys Ile Phe Cys Cys
      325             330             335
Phe Phe Phe Pro Glu Lys Gly Ala Ile Phe Thr Glu Thr Ser Ile Arg
      340             345             350
Arg Asn Asp Leu Ser Val Ile Ser Thr
      355             360
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<210> 9

<211> 1083

<212> DNA

<213> Rattus norvegicus

<400> 9

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aatcgacccc acttcccttt cttctcggat gtcaagggcg accaccggct ggtgctgagc      120
gtcctggaga ccaccgttct gggactcatc tttgtggtct cactgctggg caacgtgtgt      180
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actgaagcct	ggctgctggg	gcccgctcgc	tgccacctgc	tcttctacgt	gatgaccatg	360
agcggcagcg	tcacgatact	cacgctggcc	gcggtcagcc	tgagagcgat	ggtgtgcatc	420
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ttcatatggg	gttactcggc	gctcgccgcg	ctgccccctc	gcatacttgt	ccgcgtggtc	540
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cgcataggag	aaatctcatg	ggatgtgttt	tttgtgactt	tgaacttcct	ggtaccagga	660
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tacaacatgt	cgctgttcag	gagcgagtgg	aggaagattt	tttgctgctt	ctttttccca	1020
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acc						1083

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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> primer

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<210> 11
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> primer

<400> 11	
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<210> 12
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 <212> DNA
 <213> Artificial Sequence

<220>
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<400> 12	
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	26

<210> 13
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<220>
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<400> 13
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 <210> 14
 <211> 33
 <212> DNA
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 <220>
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 <210> 15
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 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> primer

 <400> 15
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 <400> 16
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 <210> 17
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 <220>
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 <210> 18
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 <220>
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<210> 19
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<220>
 <223> primer

<400> 19
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<210> 20
 <211> 26
 <212> DNA
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<220>
 <223> probe

<400> 20
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<210> 21
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 <212> DNA
 <213> Artificial Sequence

<220>
 <221> misc_DNA
 <222> (20)..(21)
 <223> mixed DNA/RNA n stands for deoxy thymidine

<400> 21
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<210> 22
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 <223> mixed DNA/RNA n stands for deoxy thymidine

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